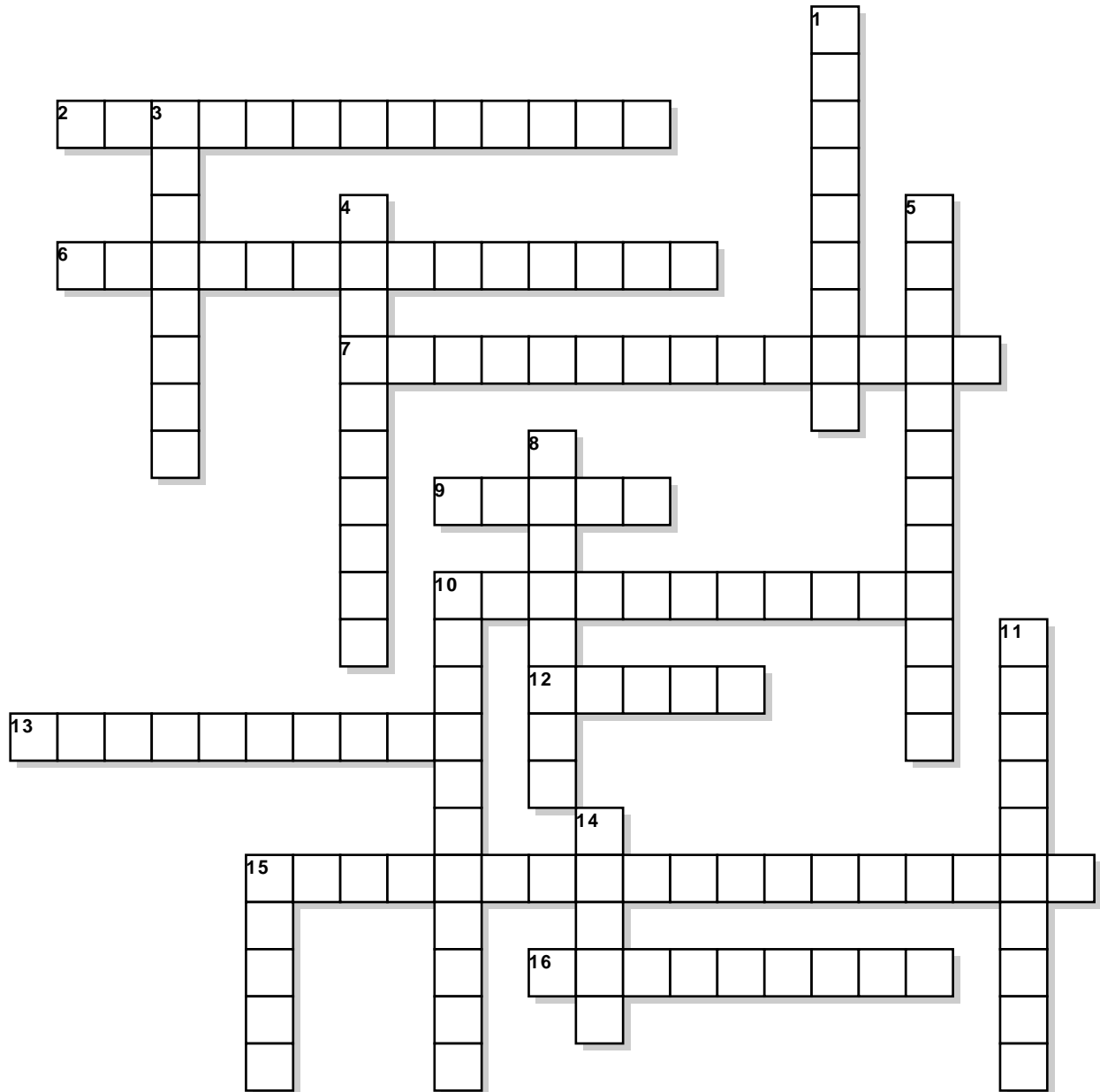


8th Grade CCS Math Vocabulary Crosswords 10



Across

- 2 The symbol used to represent the non-negative square root of a number
- 6 Moving a shape so that it is in a different position, but still has the same size, area, angles and line lengths.
- 7 An angle formed outside a polygon by extending one of its sides.
- 9 A measure of the steepness of a line on a graph - m - rise over run - pattern of the y-outputs.
- 10 A line that intersects (crosses) two or more lines in a given plane.
- 12 A figure resulting from a transformation.
- 13 A transformation created by reflecting (flipping) an image over a line.
- 15 In a right triangle the square of the length of the hypotenuse is equal to the sum of the squares of the lengths of the legs $A^2+B^2=C^2$.
- 16 Having the same size and shape.

Down

- 1 The original image before transformation.
- 3 A transformation created proportionally by enlarging or reducing a figure.
- 4 The number of cubic units needed to fill a cone.
- 5 The number of cubic units needed to fill a sphere.
- 8 A transformation made by rotating (turning or spinning) a figure around a given point.
- 10 A transformation created by sliding an object.
- 11 The side opposite the right angle - it is also the longest side of a right triangle.
- 14 A convincing demonstration that a mathematical statement is true.
- 15 A flat, 2D surface that goes in all directions forever.

Possible Answers:

cone volume, congruent, dilation, exterior angles, hypotenuse, image, plane, pre-image, proof, Pythagorean Theorem, radical symbol, reflection, rotation, slope, sphere volume, transformation, translation, transversal